

## WEST Search History for Application 09870498

Creation Date: 2008042713:23

| Query   | DB  | Op. | Plur. | Thes. | Date       |
|---|---|-----|-------|-------|------------|
| ep-126556-\$.did.   | EPAB  | ADJ |       |       | 04-27-2008 |
| antimicrobial near5 peptide   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |       |       | 04-27-2008 |
| (amino acid sequence) near5 ("seq ID Number 1")<br>(antimicrobial near5 peptide ) | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |       |       | 04-27-2008 |
| (amino acid sequence) near5 ("seq ID Number 1")                                   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |       |       | 04-27-2008 |
| (hydrophobic resisues) near5 (amino acid)   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |       |       | 04-27-2008 |
| (hydrophobic) near5 (amino acid)  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |       |       | 04-27-2008 |
| (basic) near5 (amino acid)  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |       |       | 04-27-2008 |
| (histidine) near5 (amino acid)  | PGPB,<br>USPT,                                    | ADJ |       |       | 04-27-2008 |

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|  | USOC,<br>EPAB,<br>JPAB,<br>DWPI                   |     |  |  |            |
| (glutamic acid) near5 (amino acid)   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (serine) near5 (amino acid)  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (tryptophan) near5 (amino acid)  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((hydrophobic) near5 (amino acid) ) same ((tryptophan) near5 (amino acid) )  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((serine) near5 (amino acid) ) same ((hydrophobic) near5 (amino acid) same (tryptophan) near5 (amino acid) )   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((glutamic acid) near5 (amino acid) ) same ((serine) near5 (amino acid) same (hydrophobic) near5 (amino acid) same (tryptophan) near5 (amino acid) )                                     | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((histidine) near5 (amino acid) ) same ((glutamic acid) near5 (amino acid) same (serine) near5 (amino acid) same (hydrophobic) near5 (amino acid) same (tryptophan) near5 (amino acid) ) | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |

|  |                                    |     |  |  |            |
|--|------------------------------------|-----|--|--|------------|
| ((basic) near5 (amino acid) ) same ((histidine) near5 (amino acid) same (glutamic acid) near5 (amino acid) same (serine) near5 (amino acid) same (hydrophobic) near5 (amino acid) same (tryptophan) near5 (amino acid) )   | PGPB, USPT, USOC, EPAB, JPAB, DWPI | ADJ |  |  | 04-27-2008 |
| ((hydrophobic) near5 (amino acid) ) same ((basic) near5 (amino acid) same (histidine) near5 (amino acid) same (glutamic acid) near5 (amino acid) same (serine) near5 (amino acid) same (hydrophobic) near5 (amino acid) same (tryptophan) near5 (amino acid) )   | PGPB, USPT, USOC, EPAB, JPAB, DWPI | ADJ |  |  | 04-27-2008 |
| (antimicrobial near5 peptide ) same ((hydrophobic) near5 (amino acid) same (basic) near5 (amino acid) same (histidine) near5 (amino acid) same (glutamic acid) near5 (amino acid) same (serine) near5 (amino acid) same (hydrophobic) near5 (amino acid) same (tryptophan) near5 (amino acid) )  | PGPB, USPT, USOC, EPAB, JPAB, DWPI | ADJ |  |  | 04-27-2008 |
| ((amino acid sequence) near5 ("seq ID Number 1") ) same (antimicrobial near5 peptide same (hydrophobic) near5 (amino acid) same (basic) near5 (amino acid) same (histidine) near5 (amino acid) same (glutamic acid) near5 (amino acid) same (serine) near5 (amino acid) same (hydrophobic) near5 (amino acid) same (tryptophan) near5 (amino acid) ) | PGPB, USPT, USOC, EPAB, JPAB, DWPI | ADJ |  |  | 04-27-2008 |
| (ep-126556-\$.did. ) same ((hydrophobic) near5 (amino acid) same (basic) near5 (amino acid) same (histidine) near5 (amino acid) same (glutamic acid) near5 (amino acid) same (serine) near5 (amino acid) same (hydrophobic) near5 (amino acid) same (tryptophan) near5 (amino acid) )  | PGPB, USPT, USOC, EPAB, JPAB, DWPI | ADJ |  |  | 04-27-2008 |
| (ep-126556-\$.did. ) same (antimicrobial near5 peptide same (hydrophobic) near5 (amino acid) same (basic) near5 (amino acid) same (histidine) near5 (amino acid) same (glutamic acid) near5 (amino acid) same (serine) near5 (amino acid) same (hydrophobic) near5 (amino acid) same (tryptophan) near5 (amino acid) )                               | PGPB, USPT, USOC, EPAB, JPAB, DWPI | ADJ |  |  | 04-27-2008 |
| (toxicity near5 low)   | PGPB, USPT, USOC, EPAB, JPAB, DWPI | ADJ |  |  | 04-27-2008 |
| animals and plant  | PGPB, USPT, USOC,                  | ADJ |  |  | 04-27-2008 |

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|  | EPAB,<br>JPAB,<br>DWPI                            |     |  |  |            |
| ((toxicity near5 low) ) and (animals and plant )   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (antimicrobial near5 peptide same (hydrophobic) near5 (amino acid) same (basic) near5 (amino acid) same (histidine) near5 (amino acid) same (glutamic acid) near5 (amino acid) same (serine) near5 (amino acid) same (hydrophobic) near5 (amino acid) same (tryptophan) near5 (amino acid) ) and ((toxicity near5 low) and animals and plant ) | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| EP-1262556-A2.did.   | EPAB  | ADJ |  |  | 04-27-2008 |
| EP-1262556-A2.did.   | EPAB  | ADJ |  |  | 04-27-2008 |
| wo-2003233675-\$.did.  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| US-2003233675-\$.did.  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (CONSERVATIVE NEAR5 VARIANT)   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (amino acid sequence)  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (amino acid) near5 residue   | PGPB,<br>USPT,                                    | ADJ |  |  | 04-27-2008 |

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|  | USOC,<br>EPAB,<br>JPAB,<br>DWPI                   |     |  |  |            |
| (amino acid) near5 sequence  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((amino acid) near5 residue ) same ((amino acid) near5 sequence )  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((CONSERVATIVE NEAR5 VARIANT) ) same ((amino acid) near5 residue same (amino acid) near5 sequence )  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((CONSERVATIVE NEAR5 VARIANT) ) same ((amino acid) near5 residue )   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((amino acid) near5 sequence ) same ((CONSERVATIVE NEAR5 VARIANT) same (amino acid) near5 residue )  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((amino acid sequence) near5 ("seq ID Number 1") ) same ((amino acid) near5 sequence same (CONSERVATIVE NEAR5 VARIANT) same (amino acid) near5 residue ) | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((CONSERVATIVE NEAR5 VARIANT) ) same ((amino acid) near5 residue )   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |

|   |   |     |  |  |            |
|---|---|-----|--|--|------------|
| ((amino acid sequence) near5 ("seq ID Number 1") )<br>same ((CONSERVATIVE NEAR5 VARIANT) same<br>(amino acid) near5 residue ) | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((amino acid sequence) near5 ("seq ID Number 1") ) and<br>((CONSERVATIVE NEAR5 VARIANT) same (amino<br>acid) near5 residue )  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ("seq ID Number 1")   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (amino same acid) near5 basic   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (amino same acid) near5 hydrophobic   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| antimicrobial near5 peptide   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((amino same acid) near5 basic ) and (antimicrobial<br>near5 peptide )  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((amino same acid) near5 hydrophobic ) and ((amino<br>same acid) near5 basic and antimicrobial near5 peptide )                | PGPB,<br>USPT,<br>USOC,<br>EPAB,                  | ADJ |  |  | 04-27-2008 |

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|   | JPAB,<br>DWPI                                     |     |  |  |            |
| antimicrobial near5 (lytic near5 peptide)   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| us-5447914-\$.did.  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (antimicrobial near5 (lytic near5 peptide) ) same<br>(us-5447914-\$.did. )  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (antimicrobial near5 (lytic near5 peptide) ) and<br>(us-5447914-\$.did. )   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| antimicrobial and (lytic and peptide)   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| (antimicrobial near5 peptide ) and (antimicrobial and<br>(lytic and peptide) )  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
| ((amino same acid) near5 basic and antimicrobial near5<br>peptide ) and (antimicrobial near5 peptide and<br>antimicrobial and (lytic and peptide) ) | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |  |  | 04-27-2008 |
|   |   | ADJ |  |  | 04-27-2008 |

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| (antimicrobial near5 (lytic near5 peptide) ) and ((amino same acid) near5 basic and antimicrobial near5 peptide and antimicrobial near5 peptide and antimicrobial and (lytic and peptide) )  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI |     |     |  |            |
| (us-5447914-\$.did. ) and (antimicrobial near5 (lytic near5 peptide) and (amino same acid) near5 basic and antimicrobial near5 peptide and antimicrobial near5 peptide and antimicrobial and (lytic and peptide) )   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |     |  | 04-27-2008 |
| antimicrobial near5 peptide  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |     |  | 04-27-2008 |
| (us-5447914-\$.did. ) and (antimicrobial near5 peptide )   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |     |  | 04-27-2008 |
| (antimicrobial near5 (lytic near5 peptide) and (amino same acid) near5 basic and antimicrobial near5 peptide and antimicrobial near5 peptide and antimicrobial and (lytic and peptide) ) and (antimicrobial near5 peptide )  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |     |  | 04-27-2008 |
| (us-5447914-\$.did. and antimicrobial near5 peptide ) and (antimicrobial near5 (lytic near5 peptide) and (amino same acid) near5 basic and antimicrobial near5 peptide and antimicrobial near5 peptide and antimicrobial and (lytic and peptide) and antimicrobial near5 peptide )                 | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |     |  | 04-27-2008 |
| (us-5447914-\$.did. and antimicrobial near5 peptide and antimicrobial near5 (lytic near5 peptide) and (amino same acid) near5 basic and antimicrobial near5 peptide and antimicrobial near5 peptide and antimicrobial and (lytic and peptide) and antimicrobial near5 peptide ) and @pd > 20071025 | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB,<br>DWPI | ADJ |     |  | 04-27-2008 |
| ((tryptophan tryptophan) or ("Trp" "Trp"))   | PGPB,<br>USPT                                     | ADJ | YES |  | 04-27-2008 |
| antimicrobial same peptide   |   | ADJ | YES |  | 04-27-2008 |



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|---|---------------|-----|-----|--|------------|
|   | PGPB,<br>USPT |     |     |  |            |
| ((((tryptophan tryptophan) or ("Trp" "Trp"))) ) same<br>(antimicrobial same peptide )   | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| (histidine or serine or (glutamic acid) or ("His") or<br>("Glu") or ("Ser"))  | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| ((((tryptophan tryptophan) or ("Trp" "Trp"))) same<br>antimicrobial same peptide ) same ((histidine or serine or<br>(glutamic acid) or ("His") or ("Glu") or ("Ser"))) )  | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| basic same ((amino acid) same residue)  | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| hydrophobic same ((amino acid) same residue)  | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| antimicrobial same peptide  | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| (hydrophobic same ((amino acid) same residue) ) same<br>(antimicrobial same peptide )   | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| (hydrophobic same ((amino acid) same residue) ) same<br>(antimicrobial same peptide )   | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| (basic same ((amino acid) same residue) ) same<br>(hydrophobic same ((amino acid) same residue) same<br>antimicrobial same peptide )  | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| ((((tryptophan tryptophan) or ("Trp" "Trp"))) ) same (basic<br>same ((amino acid) same residue) same hydrophobic<br>same ((amino acid) same residue) same antimicrobial<br>same peptide )   | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| (antimicrobial same peptide ) same (basic same ((amino<br>acid) same residue) same hydrophobic same ((amino<br>acid) same residue) same antimicrobial same peptide )  | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| ((histidine or serine or (glutamic acid) or ("His") or<br>("Glu") or ("Ser"))) ) same (antimicrobial same peptide<br>same basic same ((amino acid) same residue) same<br>hydrophobic same ((amino acid) same residue) same<br>antimicrobial same peptide )  | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |
| ((((tryptophan tryptophan) or ("Trp" "Trp"))) same<br>antimicrobial same peptide same (histidine or serine or<br>(glutamic acid) or ("His") or ("Glu") or ("Ser"))) ) same<br>((histidine or serine or (glutamic acid) or ("His") or<br>("Glu") or ("Ser"))) same antimicrobial same peptide<br>same basic same ((amino acid) same residue) same<br>hydrophobic same ((amino acid) same residue) same<br>antimicrobial same peptide ) | PGPB,<br>USPT | ADJ | YES |  | 04-27-2008 |

|  |                  |     |     |  |            |
|--|------------------|-----|-----|--|------------|
| ((tryptophan tryptophan) or ("Trp" "Trp")) same antimicrobial same peptide same (histidine or serine or (glutamic acid) or ("His") or ("Glu") or ("Ser")) ) and ((histidine or serine or (glutamic acid) or ("His") or ("Glu") or ("Ser")) same antimicrobial same peptide same basic same ((amino acid) same residue) same hydrophobic same ((amino acid) same residue) same antimicrobial same peptide ) | PGPB, USPT       | ADJ | YES |  | 04-27-2008 |
| ((histidine or serine or (glutamic acid) or ("His") or ("Glu") or ("Ser")) same antimicrobial same peptide same basic same ((amino acid) same residue) same hydrophobic same ((amino acid) same residue) same antimicrobial same peptide ) same (((tryptophan tryptophan) or ("Trp" "Trp")) )  | PGPB, USPT       | ADJ | YES |  | 04-27-2008 |
| ((histidine or serine or (glutamic acid) or ("His") or ("Glu") or ("Ser")) same antimicrobial same peptide same basic same ((amino acid) same residue) same hydrophobic same ((amino acid) same residue) same antimicrobial same peptide ) same ((histidine or serine or (glutamic acid) or ("His") or ("Glu") or ("Ser")) )   | PGPB, USPT       | ADJ | YES |  | 04-27-2008 |
| ((tryptophan tryptophan) or ("Trp" "Trp"))   | EPAB, JPAB, DWPI | ADJ | YES |  | 04-27-2008 |
| antimicrobial and peptide  | EPAB, JPAB, DWPI | ADJ | YES |  | 04-27-2008 |
| hydrophobic and ((amino acid) same residue)  | EPAB, JPAB, DWPI | ADJ | YES |  | 04-27-2008 |
| basic and ((amino acid) and (residue))   | EPAB, JPAB, DWPI | ADJ | YES |  | 04-27-2008 |
| (histidine or serine or (glutamic acid) or ("His") or ("Glu") or ("Ser"))  | EPAB, JPAB, DWPI | ADJ | YES |  | 04-27-2008 |
| ((tryptophan tryptophan) or ("Trp" "Trp")) ) and ((histidine or serine or (glutamic acid) or ("His") or ("Glu") or ("Ser")) )  | EPAB, JPAB, DWPI | ADJ | YES |  | 04-27-2008 |
| (antimicrobial and peptide ) and (((tryptophan tryptophan) or ("Trp" "Trp")) and (histidine or serine or (glutamic acid) or ("His") or ("Glu") or ("Ser")) )   | EPAB, JPAB, DWPI | ADJ | YES |  | 04-27-2008 |
| (hydrophobic and ((amino acid) same residue) ) and (basic and ((amino acid) and (residue)) )   | EPAB, JPAB, DWPI | ADJ | YES |  | 04-27-2008 |

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|--|------------------------|-----|-----|--|------------|
| (((tryptophan tryptophan) or ("Trp" "Trp"))) and (histidine or serine or (glutamic acid) or ("His") or ("Glu") or ("Ser")) ) and (hydrophobic and ((amino acid) same residue) and basic and ((amino acid) and (residue)) ) | EPAB,<br>JPAB,<br>DWPI | ADJ | YES |  | 04-27-2008 |
| 60404335.pn.   | USPT                   | ADJ | YES |  | 04-27-2008 |
| 6040435.pn.  | USPT                   | ADJ | YES |  | 04-27-2008 |